

Appendix A: Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Power(dBm)	ERP/EIRP (dBm)	Verdict
Band19	5MHz	QPSK	24025	1RB#0	23.30	21.87	PASS
Band19	5MHz	QPSK	24025	1RB#12	23.22	21.79	PASS
Band19	5MHz	QPSK	24025	1RB#24	23.48	22.05	PASS
Band19	5MHz	QPSK	24025	12RB#0	22.32	20.89	PASS
Band19	5MHz	QPSK	24025	12RB#6	22.37	20.94	PASS
Band19	5MHz	QPSK	24025	12RB#13	22.47	21.04	PASS
Band19	5MHz	QPSK	24025	25RB#0	22.43	21	PASS
Band19	5MHz	QPSK	24075	1RB#0	23.54	22.11	PASS
Band19	5MHz	QPSK	24075	1RB#12	23.53	22.1	PASS
Band19	5MHz	QPSK	24075	1RB#24	23.74	22.31	PASS
Band19	5MHz	QPSK	24075	12RB#0	22.56	21.13	PASS
Band19	5MHz	QPSK	24075	12RB#6	22.60	21.17	PASS
Band19	5MHz	QPSK	24075	12RB#13	22.61	21.18	PASS
Band19	5MHz	QPSK	24075	25RB#0	22.56	21.13	PASS
Band19	5MHz	QPSK	24125	1RB#0	23.67	22.24	PASS
Band19	5MHz	QPSK	24125	1RB#12	23.56	22.13	PASS
Band19	5MHz	QPSK	24125	1RB#24	23.66	22.23	PASS
Band19	5MHz	QPSK	24125	12RB#0	22.78	21.35	PASS
Band19	5MHz	QPSK	24125	12RB#6	22.75	21.32	PASS
Band19	5MHz	QPSK	24125	12RB#13	22.72	21.29	PASS
Band19	5MHz	QPSK	24125	25RB#0	22.77	21.34	PASS
Band19	10MHz	QPSK	24050	1RB#0	23.29	21.86	PASS
Band19	10MHz	QPSK	24050	1RB#24	23.39	21.96	PASS
Band19	10MHz	QPSK	24050	1RB#49	23.58	22.15	PASS
Band19	10MHz	QPSK	24050	25RB#0	22.32	20.89	PASS
Band19	10MHz	QPSK	24050	25RB#12	22.50	21.07	PASS
Band19	10MHz	QPSK	24050	25RB#25	22.54	21.11	PASS
Band19	10MHz	QPSK	24050	50RB#0	22.46	21.03	PASS
Band19	10MHz	QPSK	24075	1RB#0	23.37	21.94	PASS
Band19	10MHz	QPSK	24075	1RB#24	23.56	22.13	PASS
Band19	10MHz	QPSK	24075	1RB#49	23.62	22.19	PASS
Band19	10MHz	QPSK	24075	25RB#0	22.49	21.06	PASS
Band19	10MHz	QPSK	24075	25RB#12	22.58	21.15	PASS
Band19	10MHz	QPSK	24075	25RB#25	22.60	21.17	PASS
Band19	10MHz	QPSK	24075	50RB#0	0.00	-1.43	PASS
Band19	10MHz	QPSK	24100	1RB#0	23.49	22.06	PASS



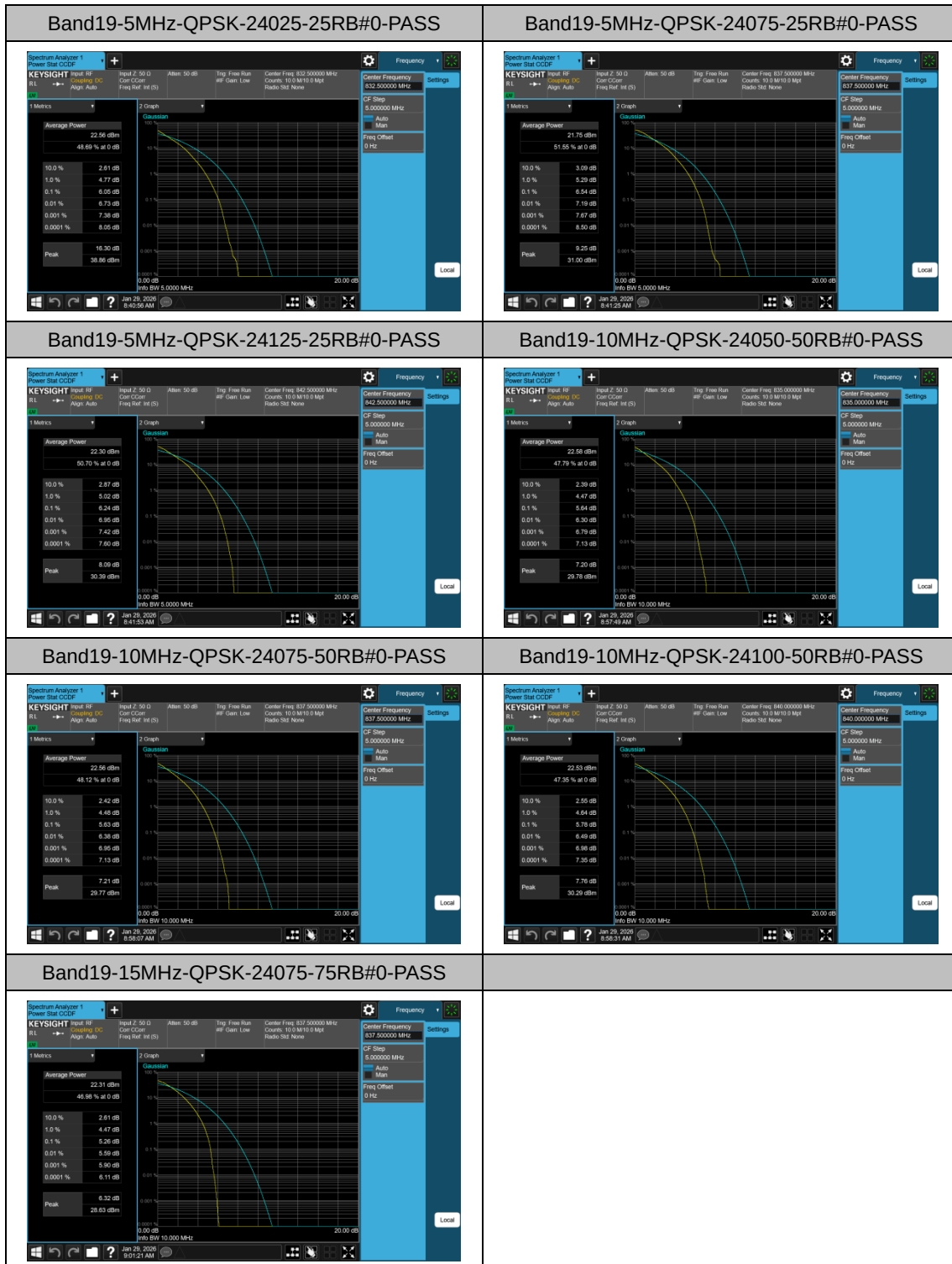
Band19	10MHz	QPSK	24100	1RB#24	23.51	22.08	PASS
Band19	10MHz	QPSK	24100	1RB#49	23.73	22.3	PASS
Band19	10MHz	QPSK	24100	25RB#0	0.00	-1.43	PASS
Band19	10MHz	QPSK	24100	25RB#12	22.64	21.21	PASS
Band19	10MHz	QPSK	24100	25RB#25	22.66	21.23	PASS
Band19	10MHz	QPSK	24100	50RB#0	22.68	21.25	PASS
Band19	15MHz	QPSK	24075	1RB#0	23.26	21.83	PASS
Band19	15MHz	QPSK	24075	1RB#38	23.55	22.12	PASS
Band19	15MHz	QPSK	24075	1RB#74	23.65	22.22	PASS
Band19	15MHz	QPSK	24075	38RB#0	22.50	21.07	PASS
Band19	15MHz	QPSK	24075	38RB#18	22.57	21.14	PASS
Band19	15MHz	QPSK	24075	38RB#37	22.57	21.14	PASS
Band19	15MHz	QPSK	24075	75RB#0	22.57	21.14	PASS

Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band19	5MHz	QPSK	24025	25RB#0	6.05	13	PASS
Band19	5MHz	QPSK	24075	25RB#0	6.54	13	PASS
Band19	5MHz	QPSK	24125	25RB#0	6.24	13	PASS
Band19	10MHz	QPSK	24050	50RB#0	5.64	13	PASS
Band19	10MHz	QPSK	24075	50RB#0	5.63	13	PASS
Band19	10MHz	QPSK	24100	50RB#0	5.78	13	PASS
Band19	15MHz	QPSK	24075	75RB#0	5.26	13	PASS

Test Graphs



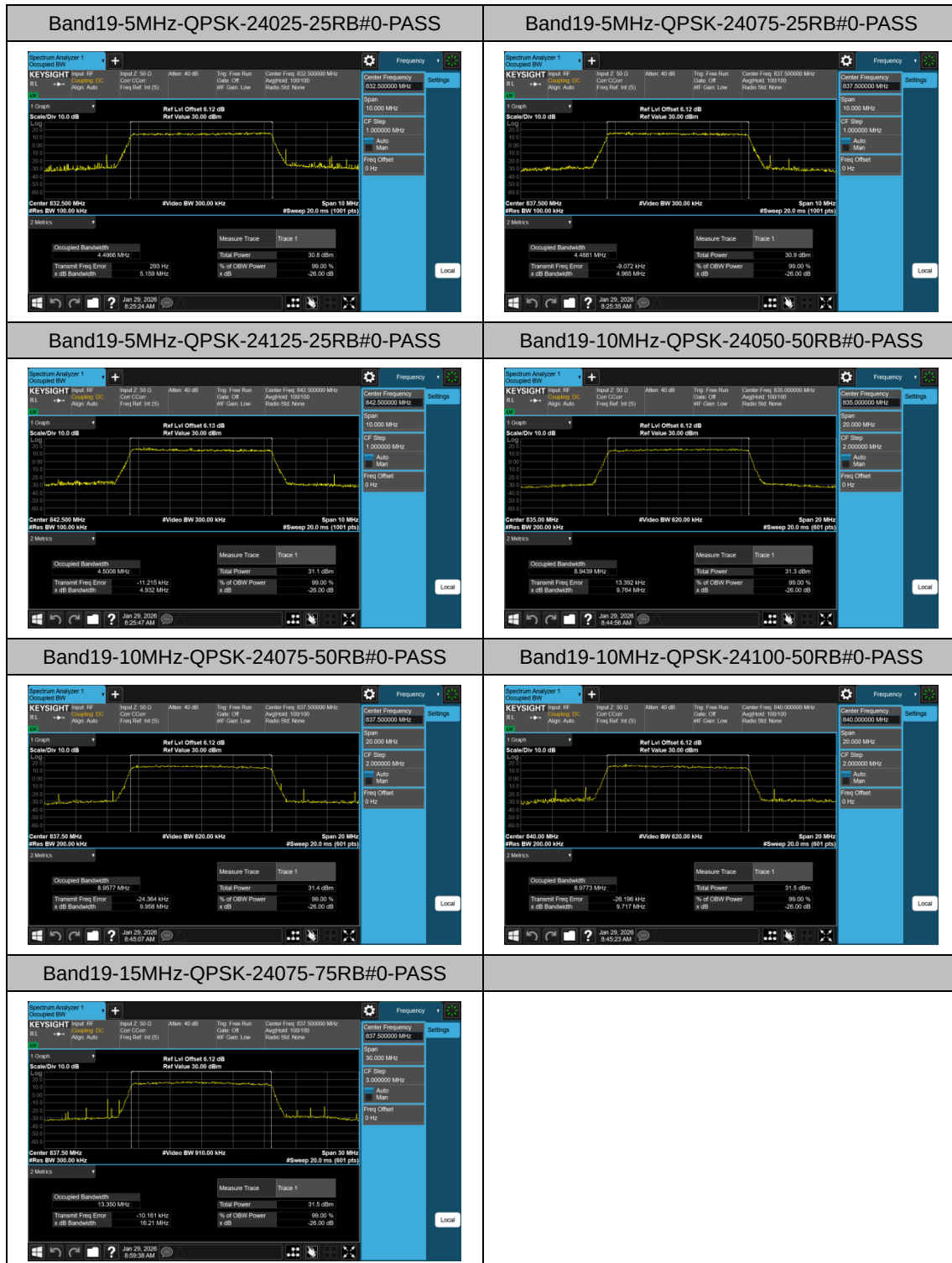
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band19	5MHz	QPSK	24025	25RB#0	4.4966	5.159	PASS
Band19	5MHz	QPSK	24075	25RB#0	4.4881	4.965	PASS
Band19	5MHz	QPSK	24125	25RB#0	4.5008	4.932	PASS
Band19	10MHz	QPSK	24050	50RB#0	8.9439	9.764	PASS
Band19	10MHz	QPSK	24075	50RB#0	8.9577	9.958	PASS
Band19	10MHz	QPSK	24100	50RB#0	8.9773	9.717	PASS
Band19	15MHz	QPSK	24075	75RB#0	13.350	16.21	PASS



Test Graphs

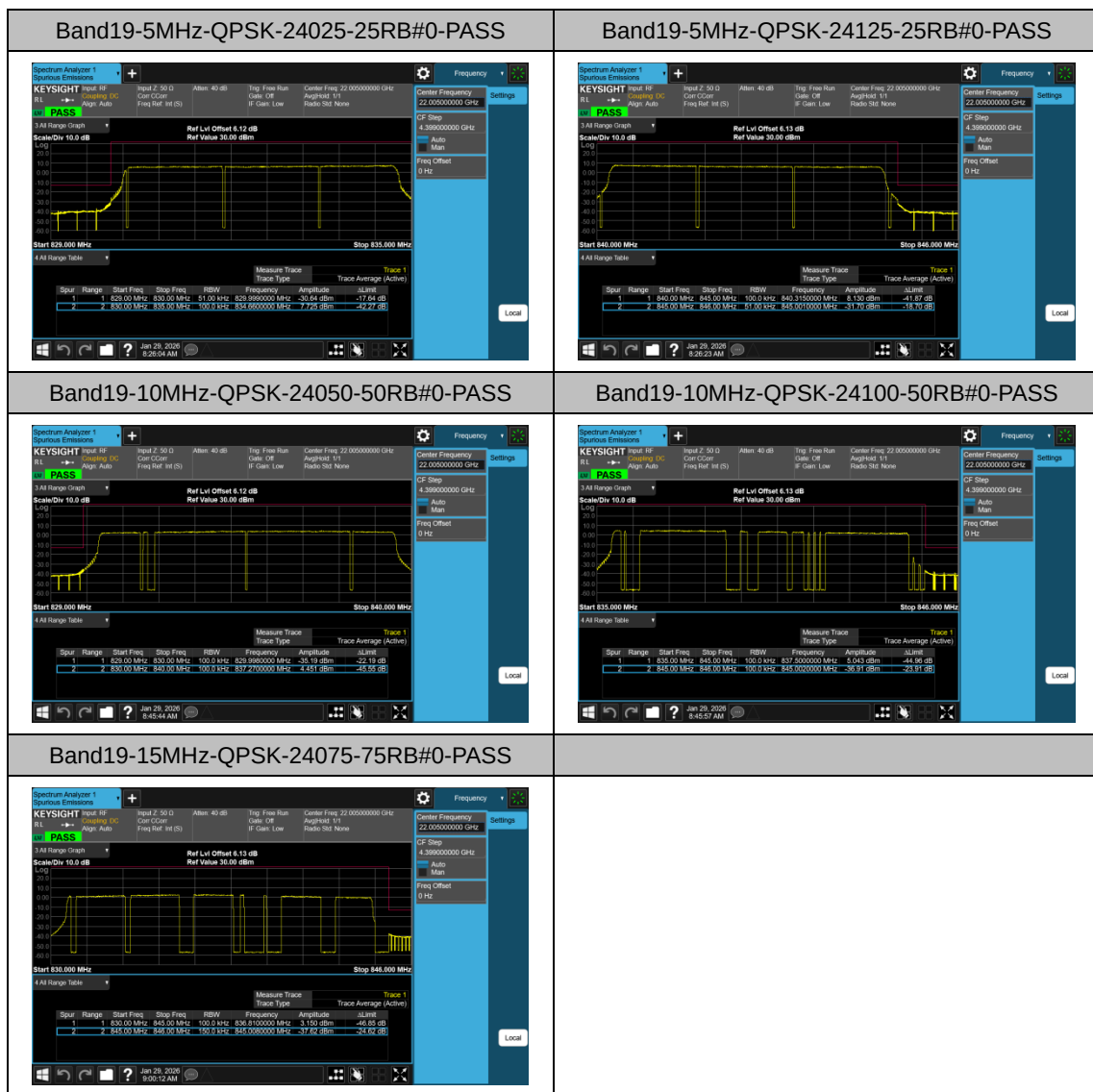


Appendix D: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Margin (dB)	Verdict
Band19	5MHz	QPSK	24025	25RB#0	-30.64	17.64	PASS
Band19	5MHz	QPSK	24125	25RB#0	-31.70	18.70	PASS
Band19	10MHz	QPSK	24050	50RB#0	-35.19	22.19	PASS
Band19	10MHz	QPSK	24100	50RB#0	-36.91	23.91	PASS
Band19	15MHz	QPSK	24075	75RB#0	-37.62	24.62	PASS

Test Graphs



Appendix E: Conducted Spurious Emission

Test Result

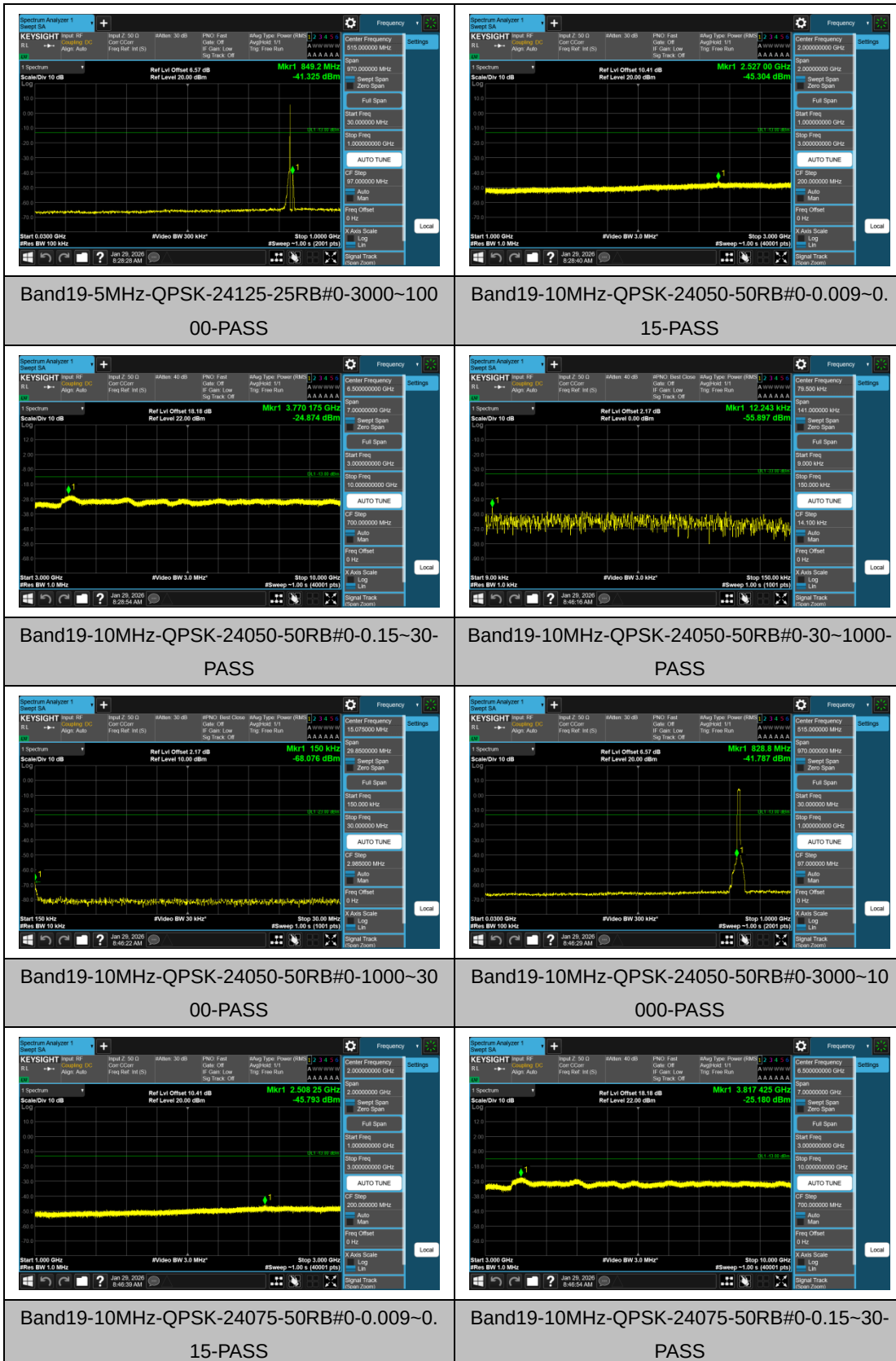
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Limit (dBm)	Verdict
Band19	5MHz	QPSK	24025	25RB#0	0.009~0.15	-56.08	-33.0	PASS
Band19	5MHz	QPSK	24025	25RB#0	0.15~30	-67.78	-23.0	PASS
Band19	5MHz	QPSK	24025	25RB#0	30~1000	-39.07	-13.0	PASS
Band19	5MHz	QPSK	24025	25RB#0	1000~3000	-45.48	-13.0	PASS
Band19	5MHz	QPSK	24025	25RB#0	3000~10000	-35.17	-13.0	PASS
Band19	5MHz	QPSK	24075	25RB#0	0.009~0.15	-55.86	-33.0	PASS
Band19	5MHz	QPSK	24075	25RB#0	0.15~30	-66.14	-23.0	PASS
Band19	5MHz	QPSK	24075	25RB#0	30~1000	-48.70	-13.0	PASS
Band19	5MHz	QPSK	24075	25RB#0	1000~3000	-45.32	-13.0	PASS
Band19	5MHz	QPSK	24075	25RB#0	3000~10000	-25.14	-13.0	PASS
Band19	5MHz	QPSK	24125	25RB#0	0.009~0.15	-56.76	-33.0	PASS
Band19	5MHz	QPSK	24125	25RB#0	0.15~30	-67.80	-23.0	PASS
Band19	5MHz	QPSK	24125	25RB#0	30~1000	-41.33	-13.0	PASS
Band19	5MHz	QPSK	24125	25RB#0	1000~3000	-45.30	-13.0	PASS
Band19	5MHz	QPSK	24125	25RB#0	3000~10000	-24.87	-13.0	PASS
Band19	10MHz	QPSK	24050	50RB#0	0.009~0.15	-55.90	-33.0	PASS
Band19	10MHz	QPSK	24050	50RB#0	0.15~30	-68.08	-23.0	PASS
Band19	10MHz	QPSK	24050	50RB#0	30~1000	-41.79	-13.0	PASS
Band19	10MHz	QPSK	24050	50RB#0	1000~3000	-45.79	-13.0	PASS
Band19	10MHz	QPSK	24050	50RB#0	3000~10000	-25.18	-13.0	PASS
Band19	10MHz	QPSK	24075	50RB#0	0.009~0.15	-56.63	-33.0	PASS
Band19	10MHz	QPSK	24075	50RB#0	0.15~30	-68.99	-23.0	PASS
Band19	10MHz	QPSK	24075	50RB#0	30~1000	-43.08	-13.0	PASS

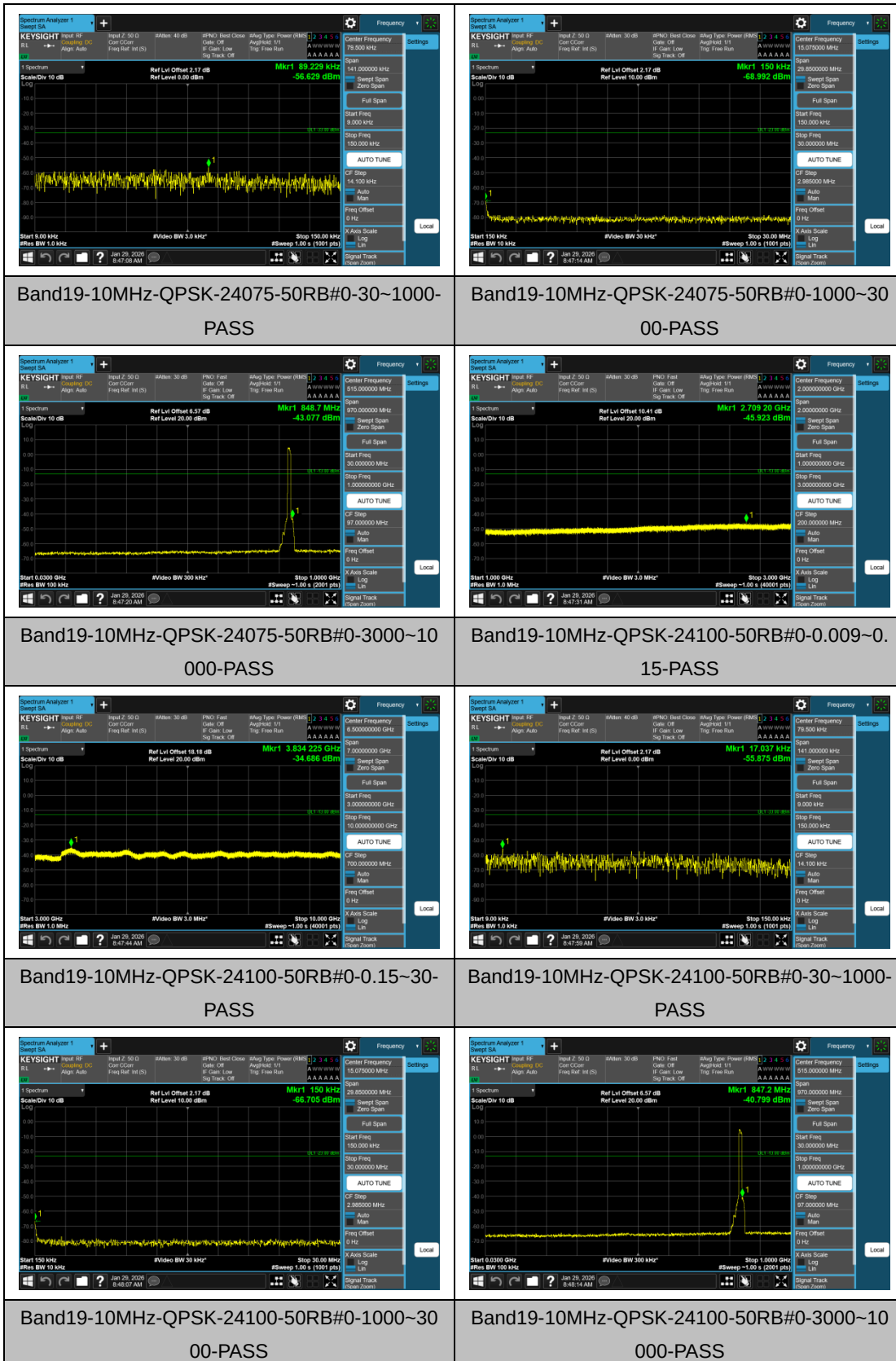
Band19	10MHz	QPSK	24075	50RB#0	1000~3000	-45.92	-13.0	PASS
Band19	10MHz	QPSK	24075	50RB#0	3000~10000	-34.69	-13.0	PASS
Band19	10MHz	QPSK	24100	50RB#0	0.009~0.15	-55.88	-33.0	PASS
Band19	10MHz	QPSK	24100	50RB#0	0.15~30	-66.71	-23.0	PASS
Band19	10MHz	QPSK	24100	50RB#0	30~1000	-40.80	-13.0	PASS
Band19	10MHz	QPSK	24100	50RB#0	1000~3000	-45.79	-13.0	PASS
Band19	10MHz	QPSK	24100	50RB#0	3000~10000	-25.38	-13.0	PASS
Band19	15MHz	QPSK	24075	75RB#0	0.009~0.15	-56.23	-33.0	PASS
Band19	15MHz	QPSK	24075	75RB#0	0.15~30	-68.18	-23.0	PASS
Band19	15MHz	QPSK	24075	75RB#0	30~1000	-40.49	-13.0	PASS
Band19	15MHz	QPSK	24075	75RB#0	1000~3000	-45.95	-13.0	PASS
Band19	15MHz	QPSK	24075	75RB#0	3000~10000	-25.32	-13.0	PASS

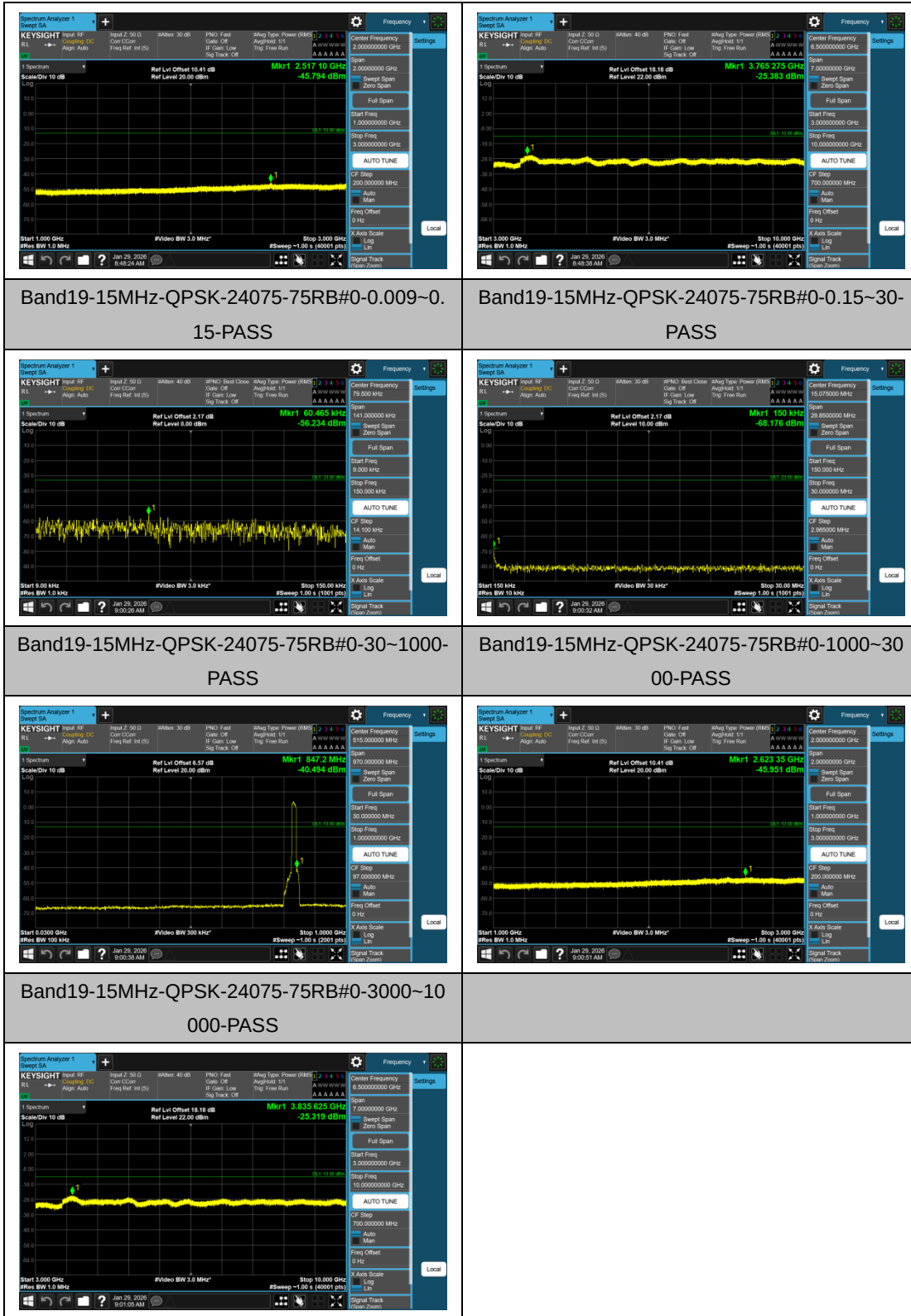
Test Graphs



00-PASS	5-PASS
Band19-5MHz-QPSK-24075-25RB#0-0.15~30-P ASS	Band19-5MHz-QPSK-24075-25RB#0-30~1000-P ASS
Band19-5MHz-QPSK-24075-25RB#0-1000~300 0-PASS	Band19-5MHz-QPSK-24075-25RB#0-3000~100 00-PASS
Band19-5MHz-QPSK-24125-25RB#0-0.009~0.1 5-PASS	Band19-5MHz-QPSK-24125-25RB#0-0.15~30-P ASS
Band19-5MHz-QPSK-24125-25RB#0-30~1000-P ASS	Band19-5MHz-QPSK-24125-25RB#0-1000~300 0-PASS







Appendix F: Frequency Stability

Test Result

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band19	5MHz	QPSK	24025	25RB#0	NV	-30	-3.82	-0.004589	±2.5	PASS
Band19	5MHz	QPSK	24025	25RB#0	NV	-20	-3.73	-0.004480	±2.5	PASS
Band19	5MHz	QPSK	24025	25RB#0	NV	-10	-2.82	-0.003387	±2.5	PASS
Band19	5MHz	QPSK	24025	25RB#0	NV	0	-5.99	-0.007195	±2.5	PASS
Band19	5MHz	QPSK	24025	25RB#0	NV	10	-2.26	-0.002715	±2.5	PASS
Band19	5MHz	QPSK	24025	25RB#0	NV	20	-6.65	-0.007988	±2.5	PASS
Band19	5MHz	QPSK	24025	25RB#0	NV	30	4.32	0.005189	±2.5	PASS
Band19	5MHz	QPSK	24025	25RB#0	NV	40	-5.83	-0.007003	±2.5	PASS
Band19	5MHz	QPSK	24025	25RB#0	NV	50	5.04	0.006054	±2.5	PASS
Band19	5MHz	QPSK	24075	25RB#0	NV	-30	-4.15	-0.004955	±2.5	PASS
Band19	5MHz	QPSK	24075	25RB#0	NV	-20	-4.69	-0.005600	±2.5	PASS
Band19	5MHz	QPSK	24075	25RB#0	NV	-10	-2.38	-0.002842	±2.5	PASS
Band19	5MHz	QPSK	24075	25RB#0	NV	0	-4.00	-0.004776	±2.5	PASS
Band19	5MHz	QPSK	24075	25RB#0	NV	10	-5.46	-0.006519	±2.5	PASS
Band19	5MHz	QPSK	24075	25RB#0	NV	20	-3.88	-0.004633	±2.5	PASS
Band19	5MHz	QPSK	24075	25RB#0	NV	30	-3.06	-0.003654	±2.5	PASS
Band19	5MHz	QPSK	24075	25RB#0	NV	40	-5.58	-0.006663	±2.5	PASS
Band19	5MHz	QPSK	24075	25RB#0	NV	50	-5.30	-0.006328	±2.5	PASS
Band19	5MHz	QPSK	24125	25RB#0	NV	-30	-3.58	-0.004249	±2.5	PASS
Band19	5MHz	QPSK	24125	25RB#0	NV	-20	-5.21	-0.006184	±2.5	PASS
Band19	5MHz	QPSK	24125	25RB#0	NV	-10	2.53	0.003003	±2.5	PASS
Band19	5MHz	QPSK	24125	25RB#0	NV	0	-5.00	-0.005935	±2.5	PASS
Band19	5MHz	QPSK	24125	25RB#0	NV	10	-1.73	-0.002053	±2.5	PASS
Band19	5MHz	QPSK	24125	25RB#0	NV	20	-3.67	-0.004356	±2.5	PASS
Band19	5MHz	QPSK	24125	25RB#0	NV	30	-5.81	-0.006896	±2.5	PASS
Band19	5MHz	QPSK	24125	25RB#0	NV	40	-4.97	-0.005899	±2.5	PASS
Band19	5MHz	QPSK	24125	25RB#0	NV	50	3.83	0.004546	±2.5	PASS
Band19	10MHz	QPSK	24050	50RB#0	NV	-30	-2.84	-0.003401	±2.5	PASS
Band19	10MHz	QPSK	24050	50RB#0	NV	-20	-2.53	-0.003030	±2.5	PASS
Band19	10MHz	QPSK	24050	50RB#0	NV	-10	3.91	0.004683	±2.5	PASS
Band19	10MHz	QPSK	24050	50RB#0	NV	0	4.65	0.005569	±2.5	PASS
Band19	10MHz	QPSK	24050	50RB#0	NV	10	-3.20	-0.003832	±2.5	PASS
Band19	10MHz	QPSK	24050	50RB#0	NV	20	-3.84	-0.004599	±2.5	PASS
Band19	10MHz	QPSK	24050	50RB#0	NV	30	3.97	0.004754	±2.5	PASS

Band19	10MHz	QPSK	24050	50RB#0	NV	40	6.12	0.007329	±2.5	PASS
Band19	10MHz	QPSK	24050	50RB#0	NV	50	-2.03	-0.002431	±2.5	PASS
Band19	10MHz	QPSK	24075	50RB#0	NV	-30	-3.09	-0.003690	±2.5	PASS
Band19	10MHz	QPSK	24075	50RB#0	NV	-20	-7.46	-0.008907	±2.5	PASS
Band19	10MHz	QPSK	24075	50RB#0	NV	-10	-4.54	-0.005421	±2.5	PASS
Band19	10MHz	QPSK	24075	50RB#0	NV	0	-3.53	-0.004215	±2.5	PASS
Band19	10MHz	QPSK	24075	50RB#0	NV	10	-3.51	-0.004191	±2.5	PASS
Band19	10MHz	QPSK	24075	50RB#0	NV	20	-3.03	-0.003618	±2.5	PASS
Band19	10MHz	QPSK	24075	50RB#0	NV	30	-7.17	-0.008561	±2.5	PASS
Band19	10MHz	QPSK	24075	50RB#0	NV	40	-4.20	-0.005015	±2.5	PASS
Band19	10MHz	QPSK	24075	50RB#0	NV	50	-5.65	-0.006746	±2.5	PASS
Band19	10MHz	QPSK	24100	50RB#0	NV	-30	-4.00	-0.004762	±2.5	PASS
Band19	10MHz	QPSK	24100	50RB#0	NV	-20	-4.32	-0.005143	±2.5	PASS
Band19	10MHz	QPSK	24100	50RB#0	NV	-10	-5.46	-0.006500	±2.5	PASS
Band19	10MHz	QPSK	24100	50RB#0	NV	0	-3.50	-0.004167	±2.5	PASS
Band19	10MHz	QPSK	24100	50RB#0	NV	10	-3.53	-0.004202	±2.5	PASS
Band19	10MHz	QPSK	24100	50RB#0	NV	20	-9.68	-0.011524	±2.5	PASS
Band19	10MHz	QPSK	24100	50RB#0	NV	30	-6.13	-0.007298	±2.5	PASS
Band19	10MHz	QPSK	24100	50RB#0	NV	40	99.16	0.118048	±2.5	PASS
Band19	10MHz	QPSK	24100	50RB#0	NV	50	-4.70	-0.005595	±2.5	PASS
Band19	15MHz	QPSK	24075	75RB#0	NV	-30	5.10	0.006090	±2.5	PASS
Band19	15MHz	QPSK	24075	75RB#0	NV	-20	3.07	0.003666	±2.5	PASS
Band19	15MHz	QPSK	24075	75RB#0	NV	-10	2.37	0.002830	±2.5	PASS
Band19	15MHz	QPSK	24075	75RB#0	NV	0	-4.04	-0.004824	±2.5	PASS
Band19	15MHz	QPSK	24075	75RB#0	NV	10	-3.57	-0.004263	±2.5	PASS
Band19	15MHz	QPSK	24075	75RB#0	NV	20	-7.31	-0.008728	±2.5	PASS
Band19	15MHz	QPSK	24075	75RB#0	NV	30	-5.43	-0.006484	±2.5	PASS
Band19	15MHz	QPSK	24075	75RB#0	NV	40	-9.23	-0.011021	±2.5	PASS
Band19	15MHz	QPSK	24075	75RB#0	NV	50	-6.61	-0.007893	±2.5	PASS